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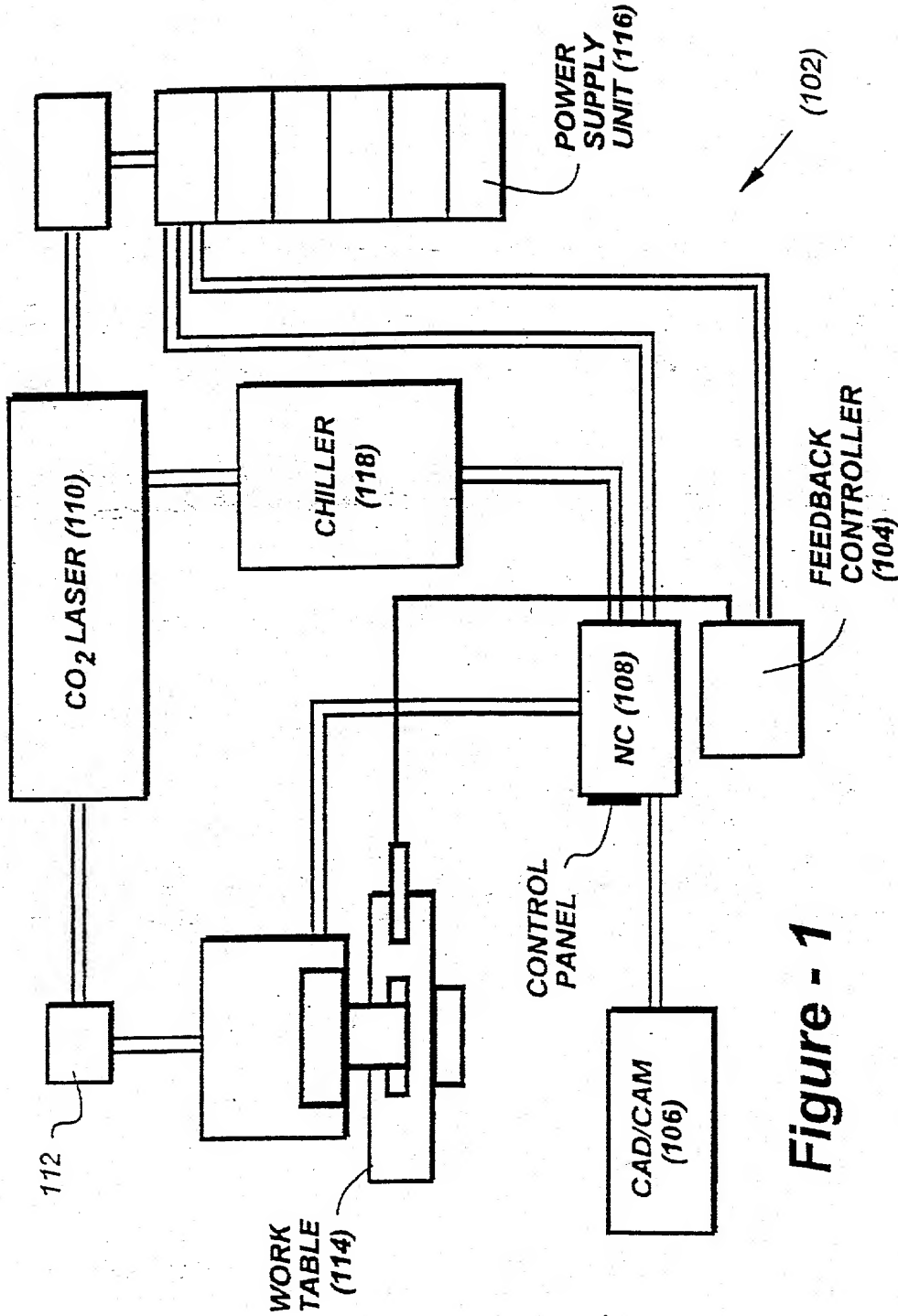
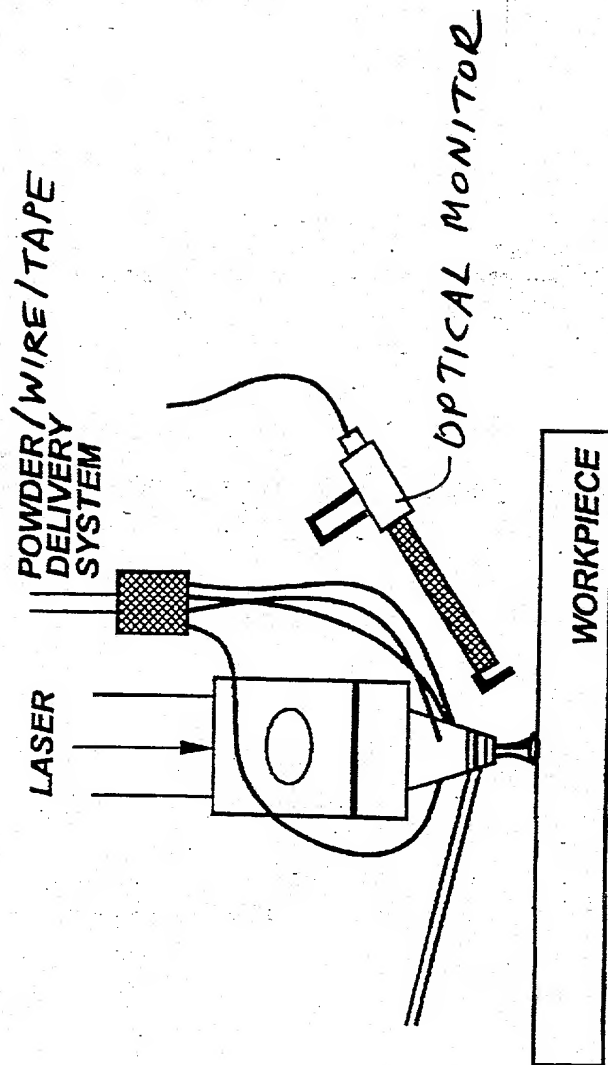


Figure - 1

1. The purpose of this document is to provide a clear and concise description of the system and its components. 2. The system is designed to provide a reliable and accurate method for measuring the dimensions of a workpiece. 3. The system consists of a laser, a powder/wire/tape delivery system, and an optical monitor. 4. The laser is used to create a reference line on the workpiece. 5. The powder/wire/tape delivery system is used to apply a layer of material to the workpiece. 6. The optical monitor is used to measure the dimensions of the workpiece.

Figure - 2



Small text block, likely a page header or footer, containing several lines of illegible text.

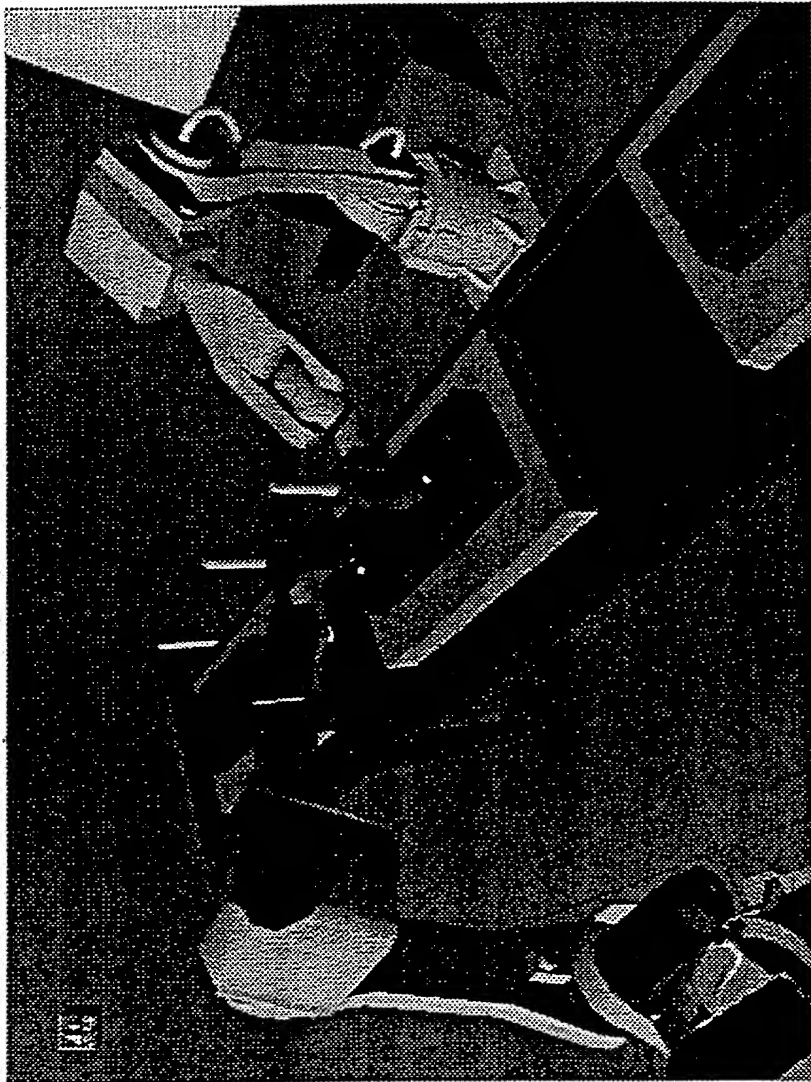


Figure 3. Robotic embodiment of DMD



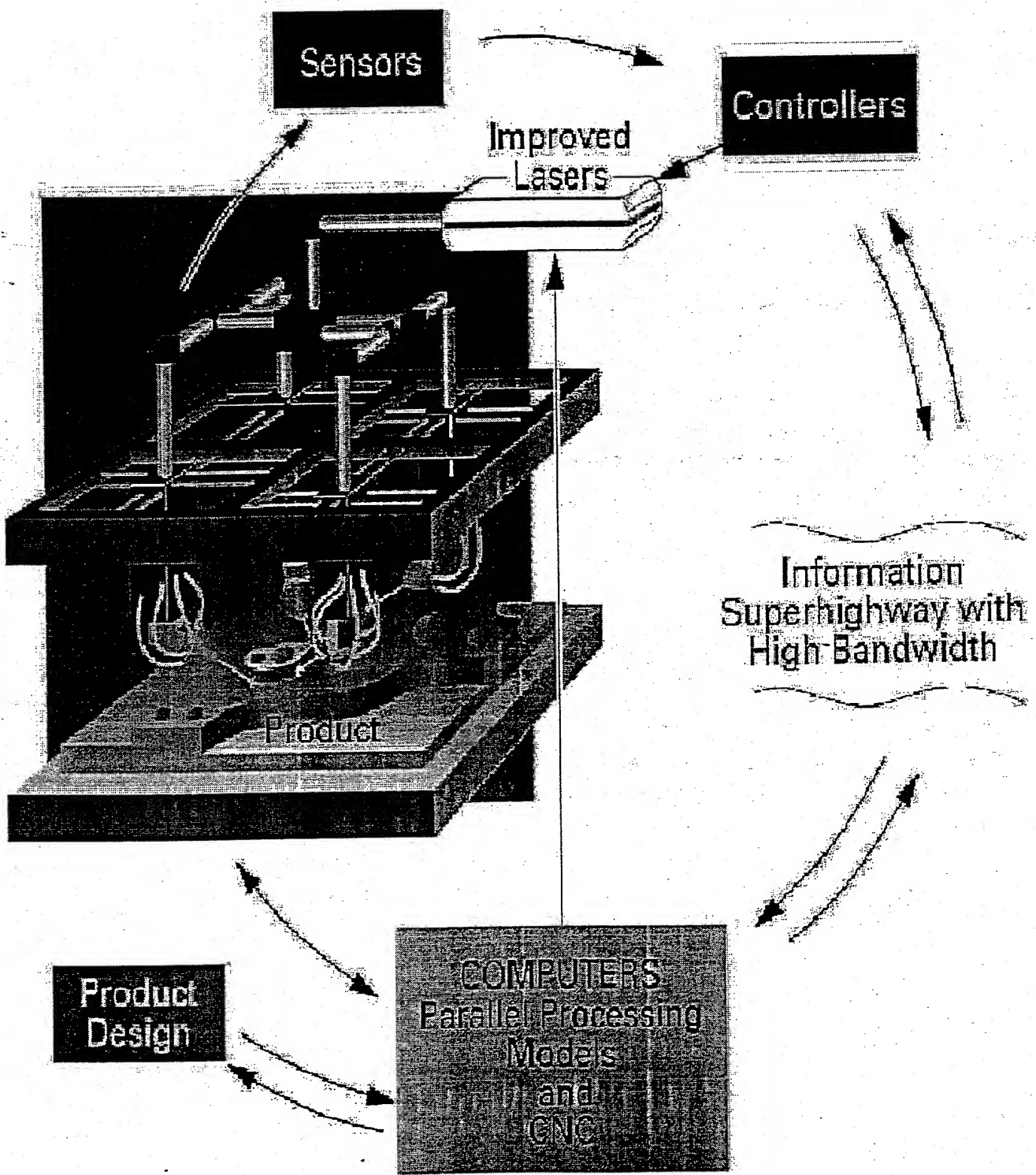
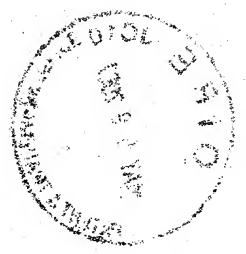


FIGURE 4

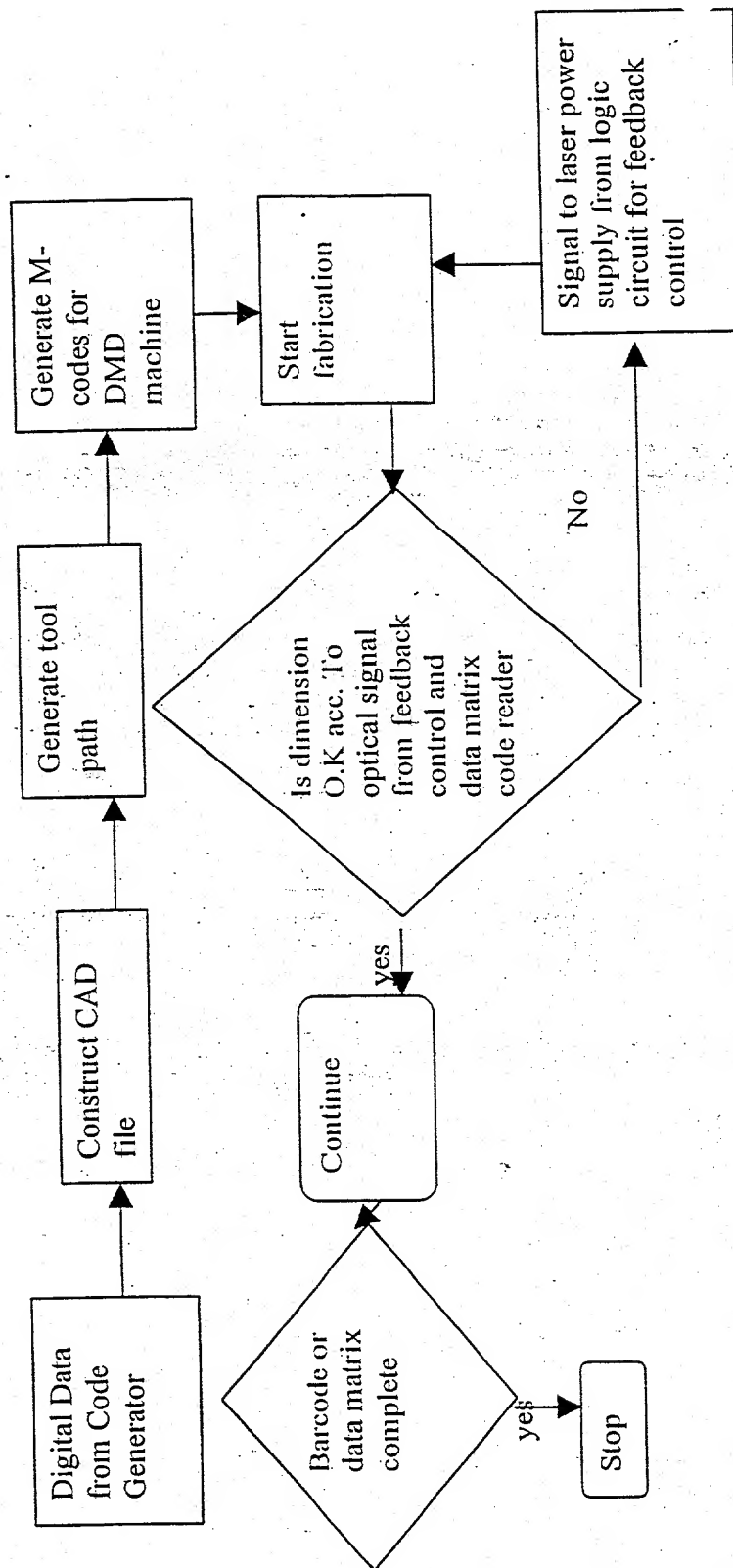


FIGURE 5



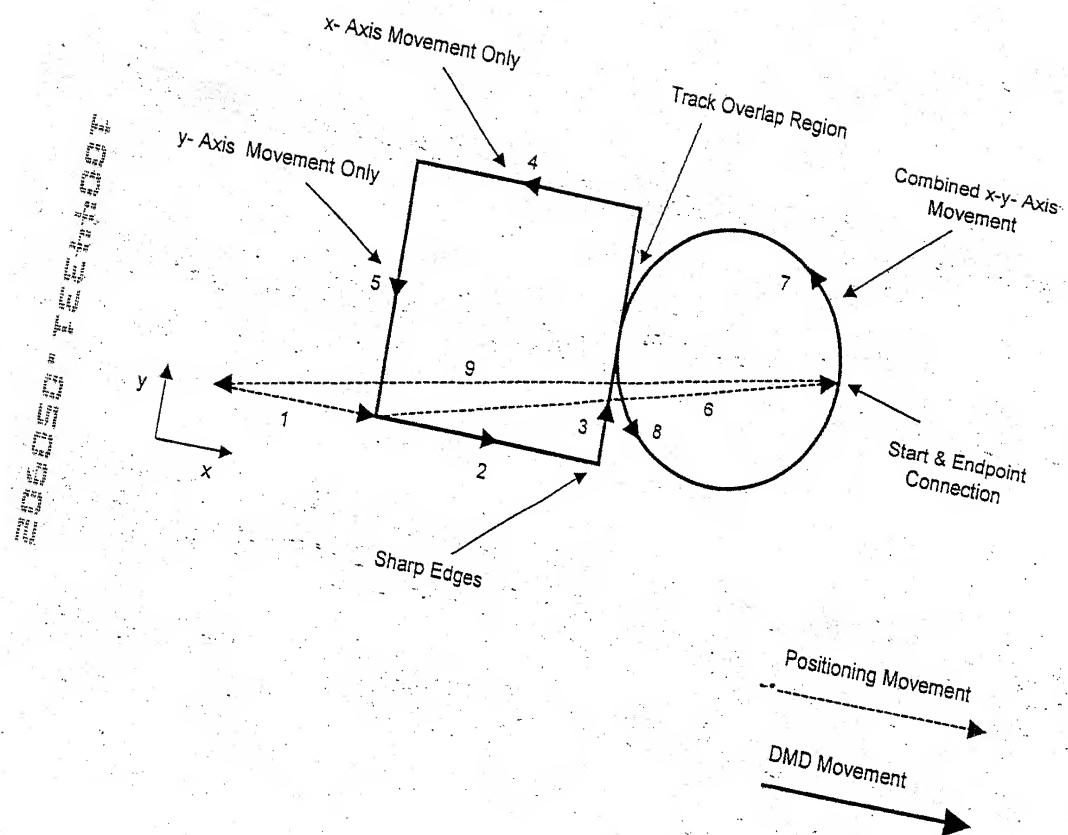


FIGURE 6

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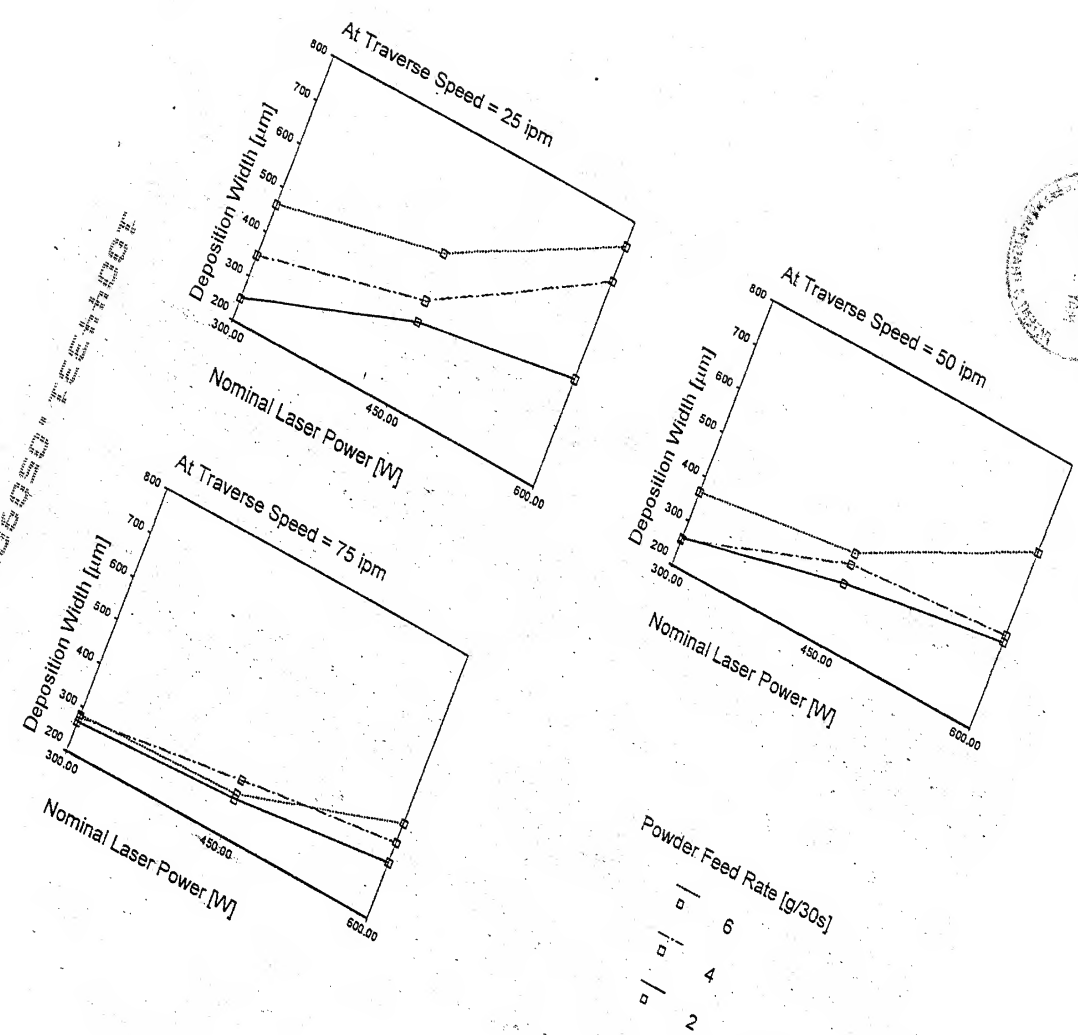
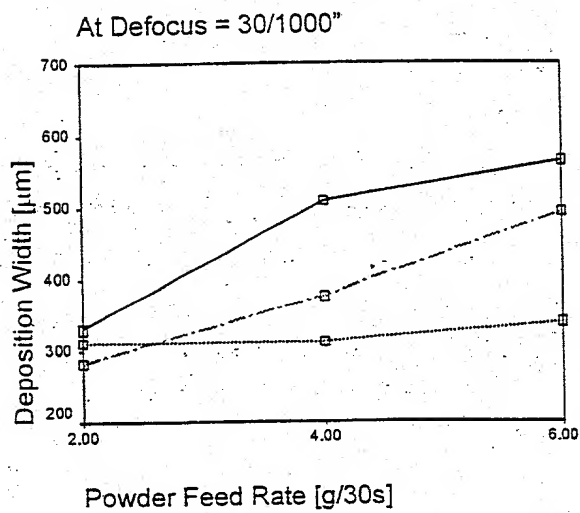
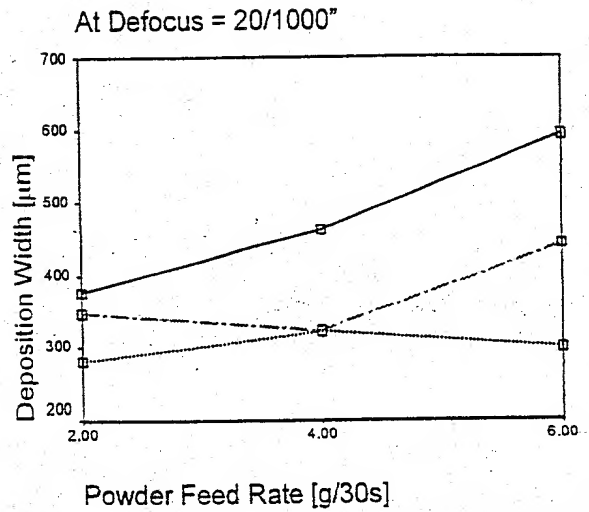
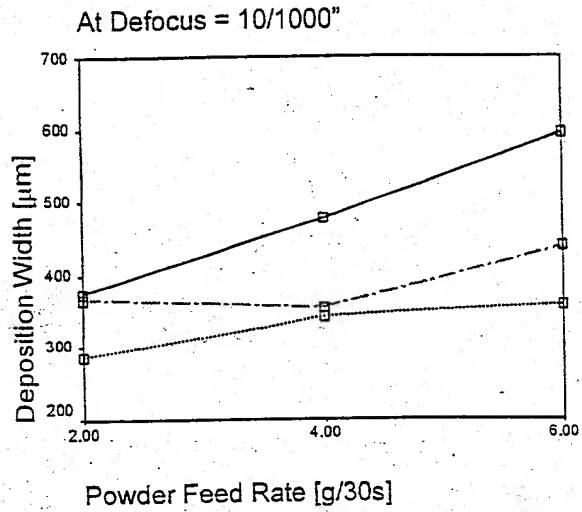


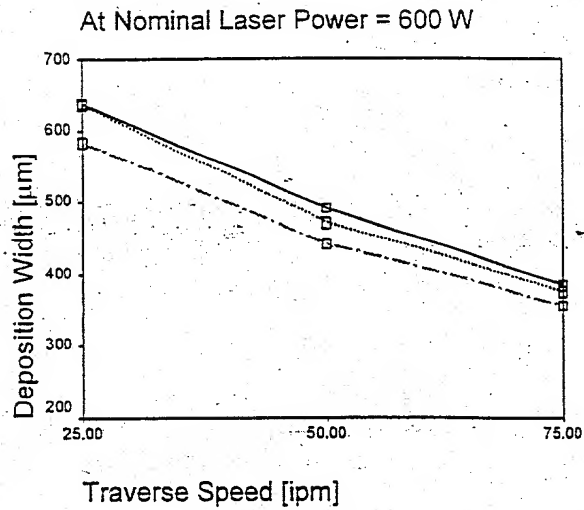
FIGURE 7

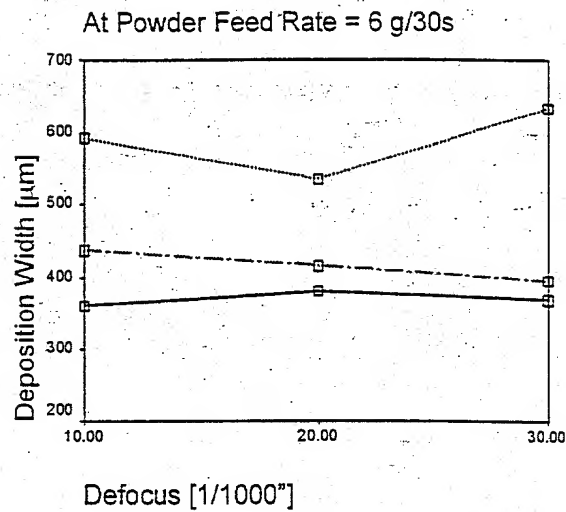
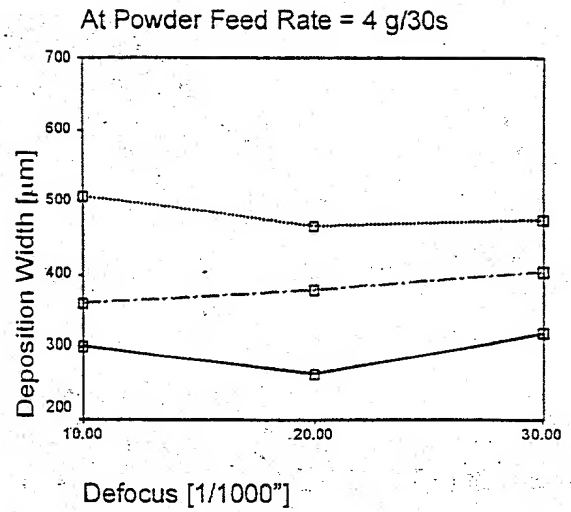
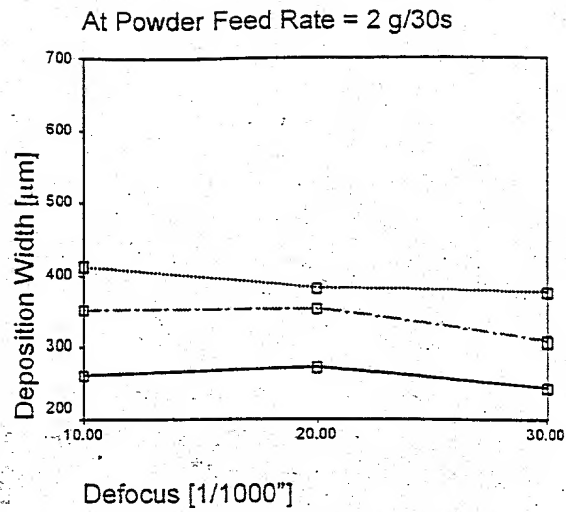


Traverse Speed [ipm]

- 75
- 50
- 25

FIGURE 8

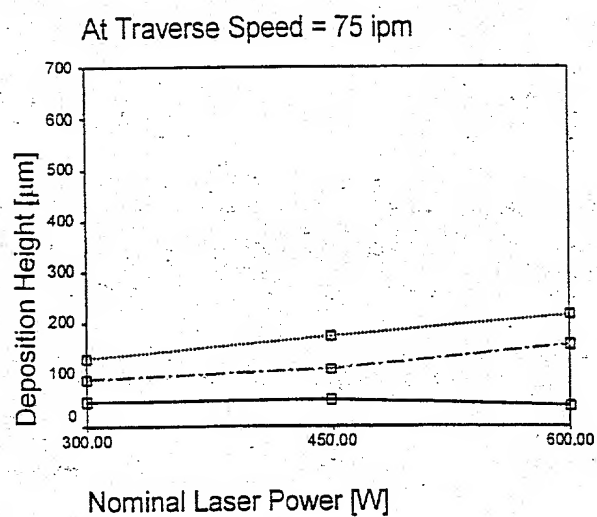
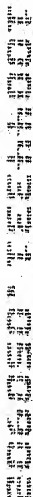




Nominal Laser Power [W]

- 600
- - -□- - - 450
- 300

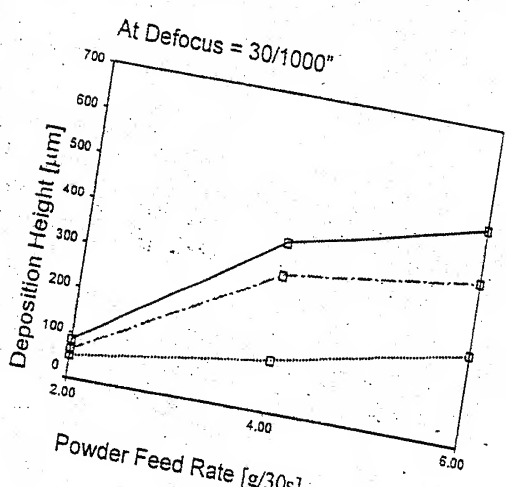
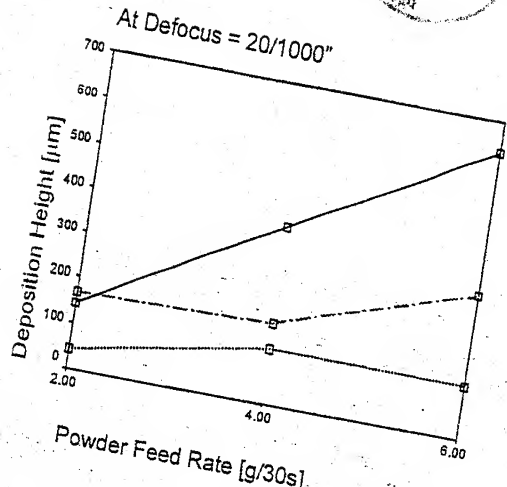
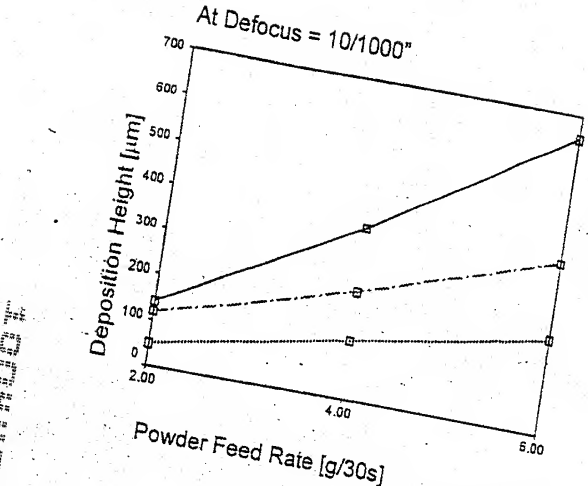
FIGURE 10



<u>□</u>	6.00
<u>□</u>	4.00
<u>□</u>	2.00

FIGURE 11

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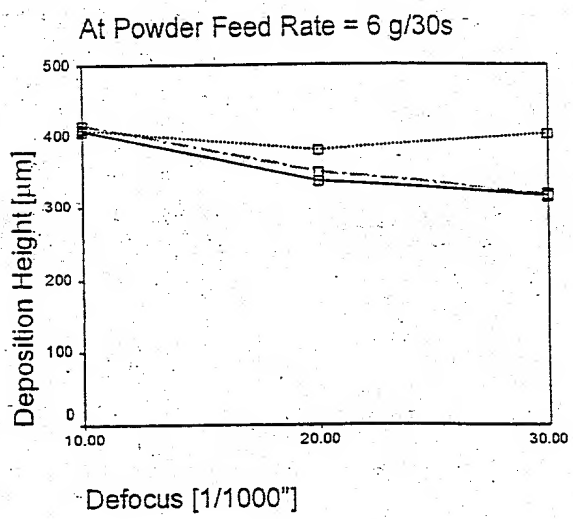
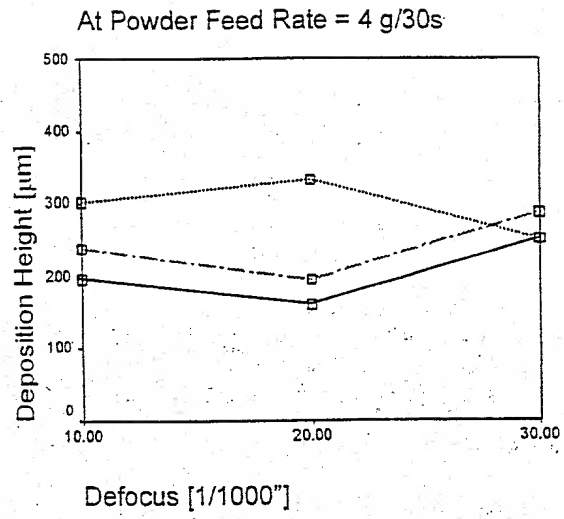
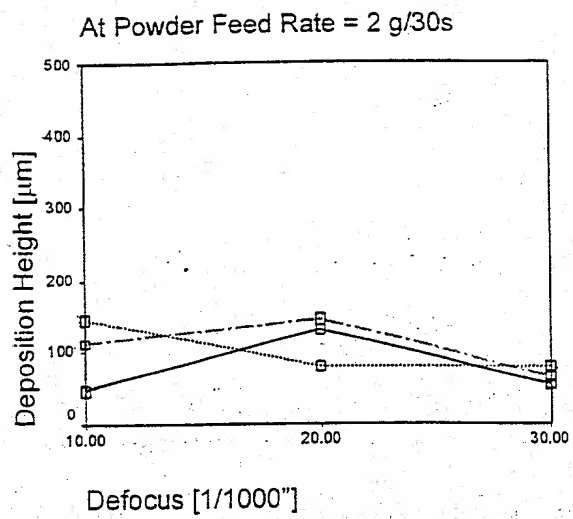
Traverse Speed [ipm]

□ 75

□ 50

□ 25

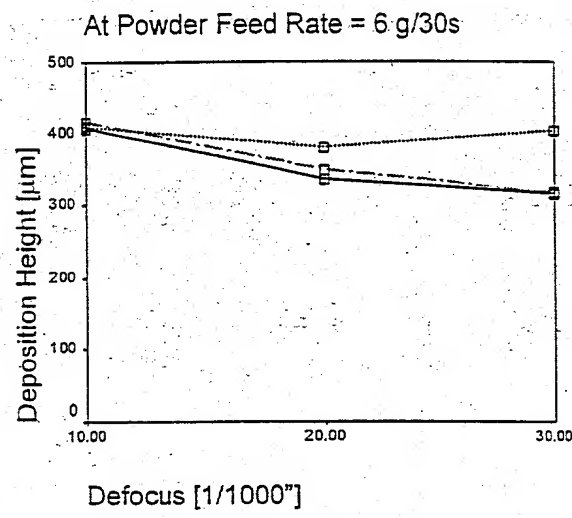
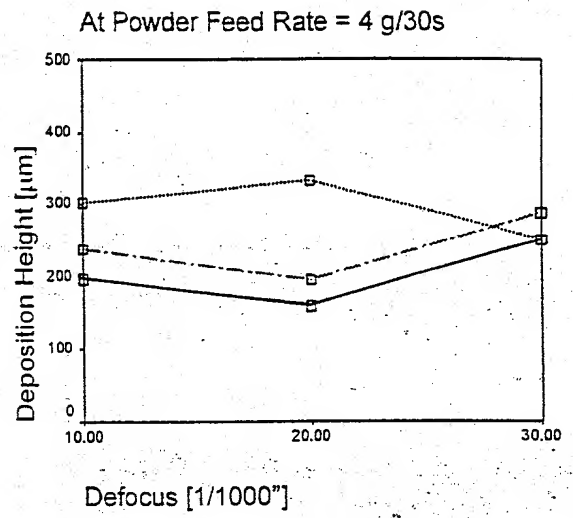
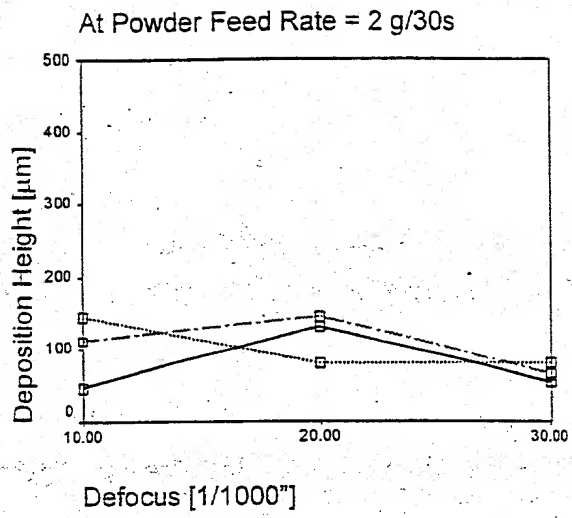
FIGURE 12



Nominal Laser Power [W]

- 600
- 450
- 300

FIGURE 13



Nominal Laser Power [W]

- 600
- - -□- - - 450
- ...□... 300

FIGURE 14